

Name: _____

Date: _____ Period: _____

UNIT 4 Practice Test

Solve each equation. Check and circle your answer.

$$4x - 9 = 19$$

$$7y + 5 - 3y = -31$$

$$8(t + 7) = 32 + 2t$$

$$6(w - 5) - 3w = w + 10$$

$$3(2t - 6) = 2(3t - 9)$$

$$3(5x - 2) - 6x = 3(3x + 2)$$

$$2(t + 5) = 9$$

$$-3(x - 5) = 66$$

$$4n = 2(n + 1) + 3(n - 1)$$

$$-x + 7x = 24$$

$$-3x + 4 = -20$$

$$2x + 7 = 24$$

$$x - (4 - x) = 0$$

$$3(5x - 2) - 5x = 12x + 6$$

$$5p - 14 = 5p + 4$$

$-(3 - 10y) = 12$	
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Write an equation to model each situation. Solve your equation.

The width of a rectangle is 6cm less than the length. The perimeter is 72cm. Find the dimensions of the rectangle.	

A hairdresser is considering ordering a certain shampoo. Company A charges \$4 per bottle plus a \$10 handling fee per order. Company B charges \$3 per bottle plus a \$25 handling fee per order. How many bottles must the hairdresser buy to justify using company B?

Variables:

Equation:

Solve:

Solution: